



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 45] नई दिल्ली, शनिवार, नवम्बर 9, 1991 (कार्तिक 18, 1913)
No. 45] NEW DELHI, SATURDAY, NOVEMBER 9, 1991 (KARTIKA 18, 1913)

इस भाग में भिन्न पुल संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 9th November 1991

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh,
Karnataka, Kerala, Tamilnadu,
and the Union Territories of
Pondicherry, Laccadive,
Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS"

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India

Telegraphic Address "PATENTS"

ADDRESS AND JURISDICTION OF OFFICES OF THE

PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial Jurisdiction on a zonal basis as shown below:—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West), Bombay-400 013.

The States of Gujarat,
Maharashtra and Madhya Pradesh,
and the Union Territories of Goa, Daman and Diu
and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE"

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana,
Himachal Pradesh, Jammu and Kashmir,
Punjab, Rajasthan and Uttar Pradesh
and the Union Territories of Chandigarh
and Delhi.

Telegraphic address "PATENTOFIC"

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय
एकस्व तथा अंभिकल्प
कलकत्ता, बिनांक 9 नवम्बर 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अधिभृत है तथा बम्बई, दिल्ली एवं मद्रास में इसके शास्त्र कार्यालय हैं, जिनके प्राधीनिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रबंधित हैं :—

पेटेंट कार्यालय शास्त्र, टोडी इस्टेट
तीसरा तल, लोअर पर्सेल (परिषम)
बम्बई-400013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, बम्न तथा
विव एवं बाबरा और नगर हवेली।

तार पता—“पेटोफिस”

पेटेंट कार्यालय शास्त्र,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन.
सरस्वती भार्ग, करोल बाग,
नई दिल्ली-110005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—“पेटोफिस”

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act 1970.

The 27th September 1991

129/Cal/91 Franz Plasser Bahnbaumaschinen Industriege-sellschaft m.b.H. Device for setting a tool frame on track.

730/Cal/91 Franz Plasser Bahnbaumaschinen - Industriege-sellschaft m.b.H. A machine for checking the contact wire of an overhead contact line.

731/Cal/91 Siemens Aktiengesellschaft. Method of increasing the dielectric strength and improving the creepage current behaviour of insulating segments and application of said method to vacuum switches.

732/Cal/91 Samsung electronics Co., Ltd. Circuit for inserting and separating frequency folding information and method for generating thereof.

The 30th September 1991

733/Cal/91 E. I. Du Pont De Nemours And Company An improved process for coloring the thermoplastic polymers.

734/Cal/91 Hoechst Celanese Corporation. Process for acylation or alkylation of aromatic compounds in hydrogen fluoride.

735/Cal/91 Francis Weber. An intraocular lens.

पेटेंट कार्यालय शास्त्र,
61, बालाजाह रोड,
मद्रास-600002

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु, राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाइण्डब्रेरी, लकड़बीप,
मिनिकाय तथा एमिनिविवि द्वीप।

तार पता—“पेटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, दिवसीय बहुतसीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020

भारत का अवशेष क्षेत्र।

तार पता—“पेटेंट्स”

पेटेंट अधिभीनियम, 1970 या पेटेंट नियम, 1972 में अप्रिक्षित सभी आवेदन पत्र, सूचनायें, विषय या अन्य प्रस्तुत पेटेंट कार्यालय के क्षेत्र उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे।

पुल्क—शुल्क की ज्ञायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनावेश अथवा डाक आवेदन या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्रॉफट अथवा चैक द्वारा की जा सकती है।

The 1st October 1991

736/Cal/91 Sumitomo Chemical Company, Limited. Granular reactive dye compositions and production process thereof.

737/Cal/91 Alfa-Laval Separation Ab. Centrifugal separator.

738/Cal/91 Sri Dulal Chandra Sil. Water pressure power Plant.

739/Cal/91 Medese Ag. An apparatus for receiving and evaluating optical signals.

The 3rd October 1991

740/Cal/91 Sri Jonmejoy Maitly. Threshing appliances for paddy, wheat or such kinds of corn.

741/Cal/91 Caroma Industries Limited. Quarter turn tap.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH,

61, WALLAJAH ROAD, MADRAS - 600 002.

2nd September 1991

650/MAS/91 Arumugam Vaithianathan. Improvements in or relating to the propelling mechanism of bicycles, tri cycles, cycle-rickshaws, cycle delivery vans or like pedal propelled vehicles.

651/MAS/91 Biocon India Private Limited. Process of stabilizing enzyme solutions.

652/MAS/91 Biocon India Private Limited. Improvements in or relating to process of manufacturing instant coffee and coffee/chicory blend.

653/MAS/91 Biocon India Private Limited. Improvements in or relating to the manufacture of black teas.

654/MAS/91 Biocon India Private Limited. Improvements enzymes for demucilaging of pulped coffee cherry.

655/MAS/91 Girivas Viswanath Shet. An invention of an ayurvedic Ashtta Choornam which is devoted to Sabarimala Shri Ayyappan.

656/MAS/91 Sree Chitra Tirunal Institute for Medical Sciences & Technology. New membranes for hemodialysis and to a method of preparing the same.

657/MAS/91 Sri Gijo Mathew. Cyco Bike (Cycle Bike).

658/MAS/91 CPC International Inc. Starch Mixtures as pudding starches.

3rd September 1991

659/MAS/91 CCA Inc. Method of producing patterned shaped article.

660/MAS/91 The South India Textile Research Association. Kapas Purifier.

661/MAS/91 Klockner Stahl GmbH. Apparatus for making inert casting vessels for the transport of molten metals.

4th September 1991

662/MAS/91 Centro de Ingenieria Genetics y Biotecnologia. Nucleotide Sequence coding for an outer membrane protein from *neisseria meningitidis* and use of said protein in vaccine preparations.

663/MAS/91 Tampella Telatek OY. A coating and a coating method, for a steam turbine and adjoining steel surfaces.

664/MAS/91 Thermon Manufacturing Company. Switch controller, zone-type heating cable and method.

5th September 1991

665/MAS/91 American Telephones and Telegraph Company. Duplex optical fiber connector and cables terminated therewith (September 25, 1990; Canada).

666/MAS/91 Maschinenfabrik Rieter AG. A method and a device for replacing roving bobbins at a spinning machine.

667/MAS/91 Indian Space Research Organisation. A compact multiband antenna feed assembly for prime-focus antenna.

668/MAS/91 Union Carbide Chemicals and Plastics Company Inc. A process for the preparation of antimicrobial composition. (Divisional to Patent Application No. 730/MAS/89).

6th September 1991

669/MAS/91 Sree Chitra Tirunal Institute for Medical Sciences & Technology. Preparation of Ipolyacrylamide - poly (vinyl alcohol) blended membranes (AA-PVA).

670/MAS/91 Eberle Medizintechnische Elements GmbH. Enossal single tooth implant with twisting restraint.

671/MAS/91 Eberle Medizintechnische Elements GmbH and IMZ - Fertigungs - und Vertriebs-Gesellschaft für dentale Technologie mbh. Enossal implant for a firmly seated tooth replacement.

672/MAS/91 British Telecommunications Public Limited Company. Noise-cancelling handset (September 6, 1990; United Kingdom).

ALTERATION OF DATE UNDER SECTION 16

169540 Ante dated to 27th March, 1986.

155/Cal/89

169556 Ante dated to 12th July, 1985.

603/Cal/91

169541

456/Del/87 Ante dated to 28th August, 1984.

OPPOSITION PROCEEDINGS

(1)

The opposition entered by M/s. Piaggio & C.S.P.A. Italy to the grant of a Patent on application No. 157582 made by M/s. Bajaj Auto Ltd., Pune as notified in Part III, Section 2 of the Gazette of India dated the 22nd November, 1986 has been allowed and the grant of a Patent on application No. 157582 has been refused.

(2)

The Opposition entered by M/s. Trade & Industry Pvt. Ltd., to the grant of a Patent on Application No. 168035 made by Shri Hariprasad Prasanna, Madras as notified in Part III, Section 2 of the Gazette of India, dated 24th August, 1991 could not proceed further, as the applicant has withdrawn his application.

(3)

An opposition has been entered by Trade & Industry Private Limited to the grant of a Patent on Application No. 168545 made by Steels Worth Private Limited.

PATENTS SEALED

163492 166656 167061 167105 167131 167135 167157 167159
167377 167378 167398 167462 167477 167478 167485 167521
167523. 167525. 167529. 167563.

CAL - 8

DEL - 2

MAS - 1

BOM - 9

AMENDMENT PROCEEDING UNDER SECTION 57

(1)

Notice is hereby given that RANK TAYLOR HOBSON LIMITED, a British Company of 2 New Star Road, Leicester LE47jQ, England, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 892/MAS/86(169312) for "APPARATUS FOR MEASURING VELOCITY OF A MOVABLE MEMBER". The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form - 30 within 3 months from the date of the Notification at the Patent Office, Madras-600002. If the written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

(2)

Notice is hereby given that FOSECO INTERNATIONAL LIMITED, a British Company of 285 Long Acre, Nechells, Birmingham, B7 5JR, England, have made an application under section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 92/MAS/87(169208) for "A MOULD FOR CASTING MOLTEN FERROUS METAL" the amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-600002. If the Written Statement of Opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice.

(3)

Proposed amendments under section 57 of the Patent Act, 1970 in respect of Patent Application No. 167709(483/MAS/88) as advertised in the Gazette of India dated 11-5-1991 have been allowed.

(4)

Notice is hereby given that NOVO INDUSTRIES A/S of Novo Alle, 2880 Bagsvaard, Denmark, have made an application under Section 57 of the Patent Act, 1970 for amendment of application and specification of their application for Patent No. 125/MAS/89(169299) for "A METHOD FOR PRODUCING AN UPGRADED COCONUT PRODUCT IN THE FORM OF COCONUT OIL OR COCONUT MILK". The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribe Form - 30 within 3 months from the date of the Notification at the Patent Office, Madras-600 002. If the Written Statement of Opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice.

(5)

Notice is hereby given that GURIT-ESSEX AG., a Swiss Company of 8807 Freienbach, Switzerland has/have made an application on form-29 under section 57 of the Patent Act, 1970 for amendment of specification of their application for patent No. 750/Del/85(169130) for a process for the production of a heat resistant polymeric resin. The amendments are by way of correction so as to ascertain and describe the invention more correctly and precisely. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

(6)

Any person interested in opposing the application for amendment may file a notice of opposition in form-30 within three month from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(6)

The amendment proposed by Biotechnology Australia Pvt. Ltd., Monash University; Monash Medical Centre and St. Vincent's Institute of Medical Research of Australia in respect of Patent No. 165453 as advertised in Part III, Sec. 2 of the Gazette of India, dated 4th May, 1991 has been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that KSB Aktiengesellschaft of Johann-Klein-strasse 9, D-6710 Frankenthal, Federal Republic of Germany have made an application under section 57 of Patents Act, 1970 for amendment of specification of their application for Patent No. 167165 for "Bend Chamber for Turbo Engines with radial flow".

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagdish Bose Road, Calcutta-700020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

147132. 147372. 147448. 147743. 148065. 148995. 149572. 149666. 149693. 149727. 150329. 150366. 150367. 150368. 150955. 150994. 151014. 151121. 151372. 151861. 151992. 152413. 152428. 152459. 152658. 152725. 152758. 152803. 152804. 152826. 152926. 153088. 153124. 153125. 153261. 153273. 153439. 153945. 153988. 153989. 153999. 154124.

154128. 154136. 154137. 154195. 154215. 154261. 154455. 154471. 154710. 154871. 154902. 155016. 155036. 155097. 155242. 155472. 155491. 156092. 156195. 156278. 156340. 156348. 156363. 156382. 156522. 156553. 156569. 156613. 156768. 156831. 156867. 156869. 157199. 157307. 157364. 157422. 157534. 158105. 158201. 158237. 158390. 158507. 158782. 158893. 159425. 159453. 159687. 159725. 159784. 159953. 159969. 160000. 160001. 160055. 160647. 160719. 160854. 160870. 160871. 160928. 160971. 161080. 161111. 161144. 161196. 161441. 161591. 161674. 161735. 161743. 161774. 161927. 161928. 162053. 162106. 162138. 162190. 162228. 162388. 162692. 162702. 162757. 162758. 162818. 162829. 162886. 162888. 162965. 163033. 163047. 163077. 163083. 163197. 163242. 163306. 163519. 163659. 163686. 163721. 163730. 163731. 163798. 163874. 163895. 164068. 164079. 164218. 164329. 164471. 164535. 164598. 164618. 164675. 164680. 164761. 164835. 164867. 164877. 164929. 165016. 165058. 165290. 165302. 165306. 165319. 165354. 165357. 165428. 165430. 165449. 165483. 165593. 165622. 165776. 165779. 165878. 165926. 165990. 166014. 166045. 166046. 166047. 166086. 166156. 166204. 166208. 166210. 166307. 166398. 166409. 166428. 166445. 166548. 166803. 166813. 166833. 166864. 166887. 166888. 166889. 166892. 166906. 166907. 166908. 166910. 166922. 166929. 166937. 166947. 166996. 167000. 167042. 167045. 167102. 167133. 167160. 167166. 167183. 167651. 167729. 167781. 167785. 167789.

CESSATION OF PATENTS

153676. 163678. 163682. 163688. 163690. 163693. 163694. 163697. 163699. 153700. 153703. 153704. 153705. 153706. 153707. 163709. 163710. 163713. 153714. 153715. 153716. 153717. 153718. 153719. 153721. 153722. 153723. 153726. 153727. 153728. 153731. 153737. 153742. 153743. 153747. 153750. 153752. 153754. 153756. 153759. 153763. 153767. 153769. 153771. 153776. 153778. 153780. 153782. 153785. 153786. 153787. 153788. 153789. 153790. 153795. 153796. 153799. 153800. 153803. 153804. 153808. 153809. 153813. 153824. 153825. 153828. 151120. 154457. 154458. 159542. 162595. 164113. 164446. 164447. 164802. 166200.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153194 granted to Dunlop India Limited for an invention relating to "an axle for animal driven vehicles".

The patent ceased on the 14th August, 1990 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 28th September, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan, 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application for restoration of Patent No. 154708 dated the 9th February, 1981 made by the Ahmedabad Manufacturing and Calico Printing Company Limited on the 14th day of January 1991 and notified in the Gazette of India Part III, Section 2 dated the 8th June 1991 has been allowed and the said Patent restored.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of

Patent No. 155442 granted to Indian Institute of Technology for an invention relating to "a process for the preparation of cellulases from ligno cellulose feedstock".

The patent ceased on the 26th May, 1990 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 17th August, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156277 granted to Dunlop India Limited for an invention relating to "an improved axle and hub assembly for use in vehicles and in particular for animal drawn carts and manually drawn carts".

The patent ceased on the 15th September, 1990 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 28th September, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156600 granted to MICRONAIR(AREIAL) LIMITED for an invention relating to "SPRAYING APPARATUS".

The patent ceased on the 9th June, 1990 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 17th August, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156769 granted to Richter Gedeon Vegyeszet Gyár R.T. for an invention relating to "apparatus for transfer of liquid and removal of gases from liquids".

The patent ceased on the 8th December, 1990 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 28th September 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his

case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158453 granted to Energy Conversion Devices Inc. for an invention relating to "improved rechargeable battery and electrode used therein."

The patent ceased on the 22nd April 1990 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 17th August, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158511 granted to Sports Equipment Pvt. Ltd. for an invention relating to "Shoes made of a thermoplastic material such as polyvinyl chloride and a method of their manufacture".

The patent ceased on the 11th July, 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 28th September 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for restoration of Patent No. 159088 granted to Giriraj Corporation for an invention relating to "improved intra-uterine contraceptive device and device for inserting it into uterine cavity".

The patent ceased on the 17th October 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 28th September 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159809 granted to Khosla Engineers for an invention relating to "a machine for over wrapping products".

The patent ceased on the 25th July 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 28th September 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M. S. O. Building, 234/4, Acharya Jagadish Bose

Road, Calcutta-700020 on or before the 9th Jan., 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161402 granted to Kon Allan Industries (Australia) Pty. Limited for an invention relating to "building panels".

The patent ceased on the 15th October 1990 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 28th September 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162483 granted to Tulserate Limited for an invention relating to "Space Frames".

The patent ceased on the 8th August, 1990 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 28th September 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4 Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application for restoration of Patent No. 163985, dated the 7th February, 1985, made by Societe Nationale Elf Aquitaine (Production) on the 12th September, 1990 and notified in the Gazette of India Part III, Section 2, dated the 23rd March, 1991 has been allowed and the said Patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165028 granted to Andro Accetta for an invention relating to "machine for the production of stabilised earth building blocks".

The patent ceased on the 1st October, 1990 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 17th August, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4 Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165647 granted to Dulal Dutta for an invention relating to "an electrical device for determining the day of the week for any past, present or future data".

The patent ceased on the 15th January, 1991 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 28th September, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165704 granted to Edward Koppeleman for an invention relating to "multiple hearth reactor for thermal treatment of carbonaceous materials".

The patent ceased on the 1st February, 1991 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 17th August, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165915 granted to Byung D. Yim for an invention relating to "a speed change mechanism for a lever propelled bicycle".

The patent ceased on the 8th April, 1991 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 28th September, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166272 granted to Electronics Corporation of India Limited for an invention relating to "an improved cockpit voice recorder".

The patent ceased on the 15th May, 1991 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th October, 1991.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 9th Jan. 1992 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classification given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए गए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

नीचे सूचीगत विनिर्देशों की सीमित संख्यक मुद्रित प्रतियां, भारत सरकार द्वारा दियो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय होते यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है (अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति होते मांग पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों का संख्या संलग्न रहनी चाहिए।

रूपांकन (प्रित्र आरेखों) की फोटो प्रतियां यदि कोई हों के साथ विनिर्देशों की टांकिल अथवा फोटो प्रतियों की आपूर्ति पेटेट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के

साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित प्रित्र आरेख कारणों को जोड़कर उसे 4 मेरुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का वरिकलन किया जा सकता है।

Class : 108 B1

169531.

Int. Class : C21B 13/00.

PROCESS FOR THE DIRECT REDUCTION OF IRON OXIDE CONTAINING MATERIALS IN A ROTARY KILN.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT OF REUTERWEG 14, D-6000 FRANKFURT AM MAIN, WEST GERMANY.

Inventors : (1) GERD ELSENHEIMER; (2) HILMAR SENFT. (3) LOTHAR FORMANEK.

Application No. 469/Cal/1988 filed on June 8, 1988.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

6 Claims.

A process for the direct reduction of iron oxide containing materials in a rotary kiln, wherein solid carbonaceous reducing agents are added to the iron oxide containing materials and the latter are then reduced to form sponge iron, air is blown at controlled supply rates through the shell of the rotary kiln in shell pipes or nozzle blocks at locations which are distributed over the length of the rotary kiln in order to maintain a constant temperature profile, and the air is delivered to the shell pipes of nozzle blocks by fans, which are mounted on the rotary kiln, characterized in that air is blown into the rotary kiln in the shell pipes or nozzle blocks at the several locations at supply rates which are controlled in that the speed of the fan drive motors mounted on the rotary kiln is changed by a change of the frequency of the supply voltage.

(Compl. Specn. 10 Pages.

Drgs. Nil.)

Class : 128 B, G, H, I.

169532.

Int. Class : A61F 2/00

HEART VALVE PROSTHESIS.

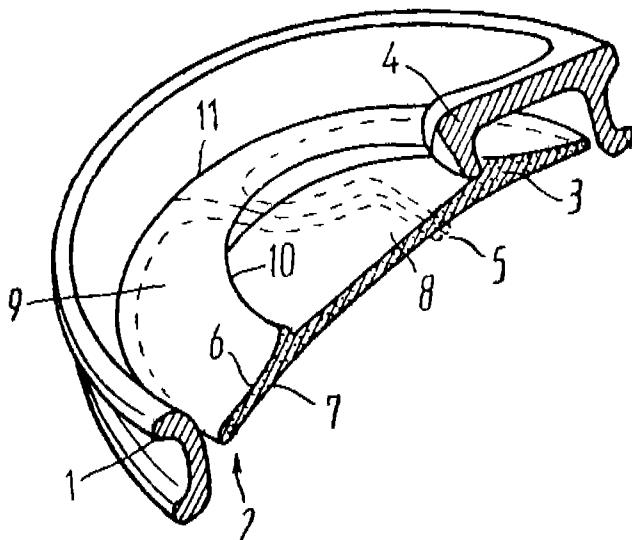
Applicants and Inventors : (1) ALEXANDR SEMENOVICH BUKATOV, USSR, MOSCOW PLOSCAD POBEDY, I, KORPUS "A", KV. 122; (2) NAUM ABRAMOVICH IOFIS, USSR, MOSCOW, LOMONOSOVSKY PROSPEKT, 23 KV. 416; (3) JURY GRIGORIEVICH EGOROV, USSR, MOSCOW, SEVASTOPOLSKY PROSPEKT, 83 KORPUS I, KV. 28; (4) NATALYA BORISOVNA DOBROVA, USSR, MOSCOW, ULITSA MATROSSKAYA TISHINA, 17, KV. 26; (5) ANATOLY STEPANOVICH KOSTRETSOV, USSR, MOSCOW, ULITSA BAKUNINSKAYA, 10/12, KV. 7; (6) ANDREI VASILEVICH AGAFONOV, USSR, MOSCOW, ULITSA SMOLNOVA, 63, KV. 149.

Application No. 492/Cal/1988 filed on June 16, 1988.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

2 Claims.

A heart valve prosthesis comprising a valve ring having an opening for the flow of blood, a floatingly mounted valve poppet having a distal side and a proximal side, support structures provided on the distal and proximal sides, respectively, for cooperation therewith and made in such a manner that the poppet is floatingly supported therebetween so as to close said opening of the valve ring in one extreme position and to open it in the other extreme position, the distal side of said poppet having an annular concave portion which extends between the middle part of the distal side of the poppet and the periphery thereof and which is smoothly conjugated therewith along the whole circumference of the poppet.



(Compl. Specn. 7 Pages.

Drg. 1 Sheet.)

Class : 63B, 65-B-2, 48-A-1, 48-B. 169533.

Int. Class : HO1B 3/30, 3/36, 3/38, 3/42, 3/44; and HO1F 3/00, 3/02.

METHOD OF FORMING ELECTRICALLY INSULATING COATINGS ON METALLIC SURFACES

Applicant : STAHLWERKE BOCHUM AKTIENGESELLSCHAFT OF POSTFACH 102429, D-4630 BOCHUM 1, WEST GERMANY.

Inventor : HERIPERT DOMES.

Application No. 498/Cal/1988 filed on June 17, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

16 Claims.

The method of forming an electrically insulating coating on a metallic surface, which comprises applying a film of an aqueous composition which contains:

- a water-dilutable synthetic resin,
- 0.1 to 40 parts by weight per 100 parts by wt of the synthetic resin of a dispersed waxlike substance having a particle size between 0.1 and 20μm and a melting point between 80° and 250°C,
- 1 to 60 parts by wt per 100 parts by wt of an inorganic or organic pigment,
- 0.1 to 40 part by wt per 100 parts by wt of the synthetic resin of a borate, and
- 0.1 to 20 parts by wt per 100 parts by wt of the synthetic resin of an alkali metal hydroxide, ammonia or an organic amine for adjusting a pH value between 7 to 9 and which is free of fluoride to the metallic surface in a quantity between 0.5 and 20 g/m², and drying the moist film at a temperature between 120° and 350° for a time between 1 hour and 5 seconds.

(Compl. Specn. 34 Pages

Drgs. Nil.)

Class : 85 C & J. 169534.

Int. Class : F 27D 3/00, 11/12.

FURNACE FOR PREPARING AND DELIVERING ALLOYS.

Applicants : (1) INSTITUT FIZIKI AKADEMII NAUK LATVIJSKOJ SSR. (2) RIZHISKY PLITEKHNIKESKY INSTITUT IMENI A. YA PEISHFE OF LATVIJSKAYA SSR: RIZHISKY RAION, SALASPILS, ULITSA MIERA, 32 USSR. OF RIGA ULITSA, LENINA I USSR.

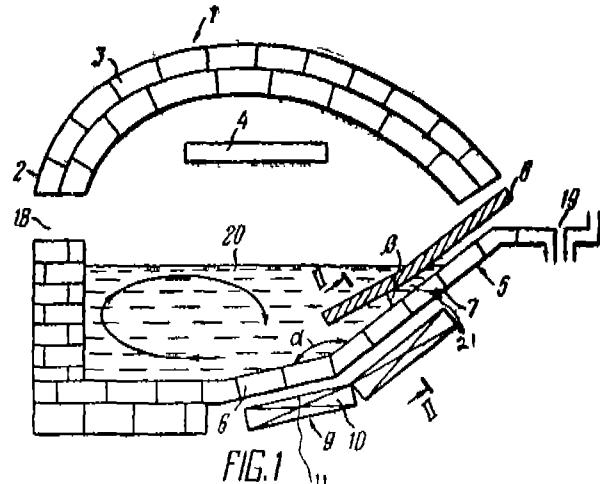
Inventors : (1) JURY KIRILLOVICH KRUMIN, (2) ARTUR EDUARDOVICH MIKELSON, (3) EKABS EKA BOVICH SHEIMANTS.

Application No. 500/Cal/1988 filed on June 20, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

4 Claims.

A furnace for preparing and delivering alloys, comprising a refractory-lined working chamber enclosed in a jacket, heaters arranged under the dome of the furnace, as inclined molten metal conduit for delivering the molten metal, arranged in the bottom part of the working chamber, a partition overlying said molten metal conduit so as to define a gap extending longitudinally to the metal conduit, and an inductor of a travelling magnetic field arranged externally of the working chamber along the molten metal conduit, the molten metal conduit being made of two parts, the lower and upper ones, extending at an obtuse angle to each other, with the partition overlying the upper part of the molten metal conduit the inductor being made of two sections underlying, respectively, the lower and upper runs of the molten metal conduit



(Compl. Specn. 11 Pages.

Drgs. 2 Sheets.)

Class : 140B 169535

Int. Class : E21B 43/00

A METHOD AND A PLANT FOR TRANSPORT OF HYDROCARBONS OVER A LONG DISTANCE FROM AN OFFSHORE SOURCE OF HYDROCARBONS.

Applicant : KVAERNER ENGINEERING A/S OF PROF. KOHTSVEL 5, N-1324 LYSAKER, NORWAY.

Inventor : BENT HAMMEL.

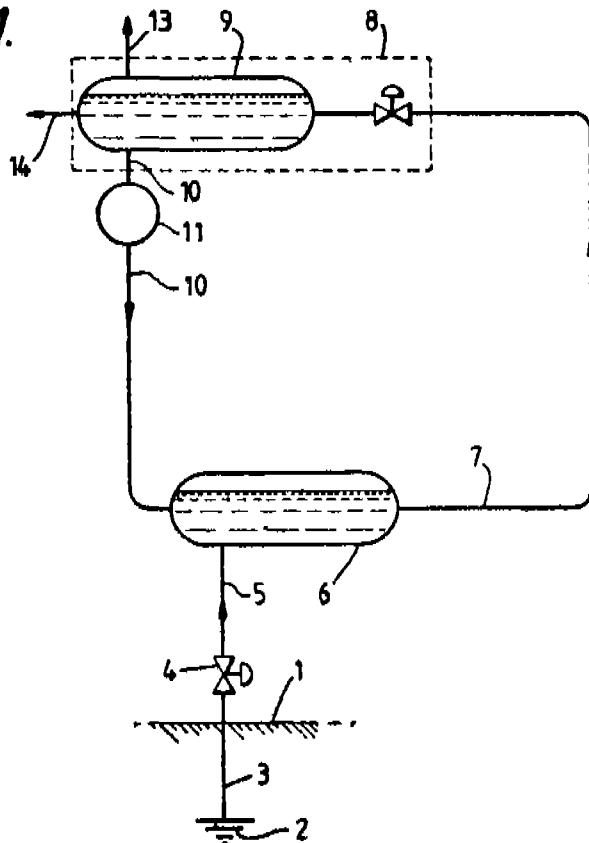
Application No. 515/Cal/1988 filed on June 23, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

8 Claims.

A method of recovering hydrocarbon oil saturated with gas from an off-shore drilling well at a location away from the drilling zone i.e. on land or shore without first transporting them to off-shore drilling platform, characterised in that the drilled gas-saturated oil and released associated hydrocarbon gas from the hydrocarbon oil source at well head valve is just passed through an absorption chamber preferably on sea floor having a gas poor hydrocarbon oil on higher pressure to act as absorbent to absorb the said released associated hydrocarbon gas and thereby prevent formation of slugs of liquid involving heavy liquid knocking, uncontrolled flowing conditions, and considerable pressure drop in the pipeline for recovering the said gas saturated oil on land/shore for processing further in a known manner.

Fig. 1.



(Compl. Specn. 14 Pages.)

Drg. 2 Sheets.)

Class : 9-F, 31-HC, 93

169536

Int. Class : H01L 21/00, 31/00, 23/00; and B27L 3/00; C30B 15/00, 31/00; C09K 5/00.

A METHOD FOR PRODUCING DIRECT CONTACT HEAT STORAGE MEDIUM.Applicant : LANXIDE TECHNOLOGY COMPANY, LP
OF TRALLEE INDUSTRIAL PARK, NEWARK, DELA-
WARE 19711, U.S.A.Inventors : (1) ROBERT ANTHONY RAPP, (2) EVANS
ALLEN LAROCHE, JR.

Application No. 542/Cal/1988 filed on July 1, 1988

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rules, 1972). Patent Office, Calcutta.

19 Claims

A method for producing a direct contact heat storage medium comprising a body of parent metal and an intrinsically cohesive ceramic layer formed integrally with the metal body and encapsulating said metal body, which method comprises

(a) heating a body of parent metal as herein described in the presence of an oxidant as herein described to a temperature above the melting point of said parent metal but below the melting point of its oxidation reaction product formed in step (b) to form molten parent metal, and,

(b) at said temperature of heating

(i) reacting said molten parent metal with said oxidant outwardly from the surface of said body of said parent metal form therefrom with the body of parent metal a layer of its oxidation reaction product

(ii) transporting said molten parent metal through said oxidation reaction product into contact with said oxidant so that oxidation reaction product continues to form at the interface between said oxidant and previously formed oxidation reaction product thereby continuously forming a progressively thicker layer of oxidation reaction product outwardly from said surface and concurrently depleting molten parent metal from said body,

(iii) continuing said reaction for a time sufficient to develop said progressively thicker layer to sufficient thickness to encapsulate unreacted parent metal and to have a cavity resulting from said depletion and

(c) thereby resulting in said heat storage medium,

(d) said heating being optionally carried out by providing a mass of filler material adjacent to the surface of said body of parent metal

(Compl. Specn. 34 Pages)

Drg. 1 Sheet)

Class : 9-F 31-C, 93.

169537

Int. Class : C30B 15/00 31/00; B22F 3/00; H01L 21/00, 31/00, 39/00

METHOD FOR FORMING COMPLEX OXIDATION REACTION PRODUCTS INCLUDING SUPERCONDUCTING MATERIALSApplicant : LANXIDE TECHNOLOGY COMPANY, LP
OF TRALLEE INDUSTRIAL PARK, NEWARK, DELA-
WARE 19711, U.S.A.Inventors : (1) ROBERT A. RAPP; (2) ANDREW W.
THOMPSON; (3) ALAN S. NAGELBERG; (4) MARC S.
NEWKIRK

Application No. 547/Cal/1988 filed on July 4, 1988.
 Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

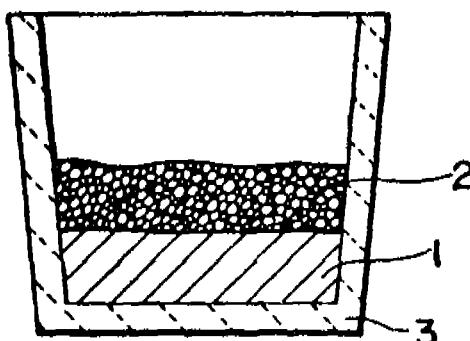
40 Claims.

A method for producing a complex oxidation reaction product of two or more metals in an oxidized state, which comprises;

(a) a positioning a parent metal source as herein described presently comprising a material selected from the group consisting of a copper source, an aluminum source, a lead source and a titanium source comprising at least one first metal of said two or more metals adjacent to a permeable mass comprising at least one metal containing compound preferably selected from the group consisting of oxides of lanthanum, yttrium, barium, titanium, zirconium and mixtures thereof capable of reaction to form said complex oxidation reaction product as herein described in step (b) below, the metal component of said at least one metal-containing compound comprising at least a second of said two or more metals, and orienting said parent metal source and said permeable mass relative to each other so that formation of the complex oxidation reaction product will occur in a direction towards and into said permeable mass; and

(b) heating said parent metal source in the presence of a vapor-phase oxidant as herein described to a temperature region above its melting point to form a body of molten parent metal to permit infiltration and reaction of the molten parent metal into said permeable mass and with said vapor phase oxidant and said at least one metal-containing compound to form said complex oxidation reaction product, without reduction of the metal component of said at least one metal-containing compound to elemental metal, and progressively drawing the molten metal source through the complex oxidation reaction product towards said vapor-phase oxidant and towards and into the adjacent permeable mass so that fresh complex oxidation reaction product continues to form within the permeable mass; and

(c) recovering the resulting complex oxidation reaction product.



(Compl. Specn. 31 Pages.)

Drg 3 Sheets.)

Class : 140 B, I. 169538.
 Int. Class : C10M 101/00, C10M 101/02, C10M 125/24.

IMPROVED MICROFOG LUBRICANT COMPOSITION AND PROCESS FOR THE MANUFACTURE THEREOF.

Applicant : INDIAN ALUMINIUM COMPANY LIMITED OF 1 MIDDLETON STREET, CALCUTTA-700071, WEST BENGAL, INDIA.

Inventors : (1) SAUDAMINI DEEPAK PANCHBHAI, (2) DEB KUMAR TAPADAR.

Application No. 558/Cal/1988 filed on July 5, 1988

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

11 Claims.

An improved microfog lubricant composition for the lubrication of machinery operating under moderate to heavy loads, which comprises on a parts by weight basis :

A. not less than 95 parts of a refined straight-run petroleum fraction having a kinematic viscosity of

from 300 to 500 centistokes at 40°C and a minimum viscosity index of 95;

- B. from 2 to 4 parts of an organic polysulphide-phosphorus matrix compound of the kind such as herein described;
- C. from 0.1 to 0.5 parts of an inhibited phenolic compound of the kind such as herein described; and
- D. from 0.1 to 0.5 parts of an organic fatty acid composition of the kind such as herein described having more than 12 carbon atoms in the acid chain.

(Compl. Specn. 13 Pages.)

Drugs. Nil)

Class : 55E₂+55E₁

169540

Int. Class⁴ : A61K 31/00, 35/00, 39/00.

A PROCESS FOR PREPARING A PHARMACEUTICAL COMPOSITION HAVING ENHANCED ACTIVITY COMPRISING CONVENTIONAL ACTING SUBSTANCE AND VEHICLE BASED ON HYALURONIC ACID OR SALT THEREOF

Applicant : FIDIA, S.P.A. OF VIA PONTE DELLA FABRICA, 3/A, 35031 ABANO TERME, ITALY.

Inventors : (1) FRANCESCO DELLA VALLE (2) AURELIO ROMEO, (3) SIVANA LORENZI.

Application No. 155/Cal/1989 filed on February 23, 1989.

Division of application No. 165867 dated 27th March, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta

9 Claims.

A process for preparing a pharmaceutical preparation having enhanced activity comprising mixing a pharmaceutically active substance suitable for topical administration as hereinbefore described, with a vehicle which comprises hyaluronic acid or a molecular weight-fraction thereof, or alkali or alkaline earth-metal, aluminium or ammonia, salt of hyaluronic acid or said fraction in the proportions of 0.01 : 1 to 1000 : 1 by weight of said active substance and said vehicle.

(Compl. Specn. 49 Pages.)

Drugs. Nil.)

Ind. Cl 133 B.

169541.

Int. Cl⁴ : H02P 1/00 & F03G 7/00.

TITLE : REGULATORS FOR ELECTRIC CEILING FANS.

Applicant : The Jay Engineering Works Ltd., 23 Kasturba Gandhi Marg, New Delhi-110001, India, an Indian Company.

Inventors : NARENDER PAL SINGH.

Application for Patent No. 456 DEI 87 filed on 27 May 1987.

Divisional to appln. No. 684 DEI 84 filed on 28 Aug '84.

Ante-dated to 15 May 1985

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-10005.

4 Claims.

(1) A regulator for electric ceiling fans having a base members (2) and a cover member (1) characterized in that said base member comprises a bracket (43) adapted to be mounted on the switch board and for supporting a switch assembly, at least two bent strips of an insulating material secured to said bracket, said strips horizontally disposed one above the other and in a spaced relationship to each other, said bracket comprises a pair of spaced legs and an upper arm having three locating holes, two of said locating holes being adapted to removably secure the cover member through fasteners, one of said locating holes being adapted to allow the switch assembly to pass therethrough for carrying a regulator known, and a regulating element being removable secure to said bent strips by fasteners.

Ind. Cl. : 140a₁

169545

Int. Cl.⁴ : C10M 125/22.

Title : A LUBRICANT OR FUNCTIONAL FLUID COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 U.S.A., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO U.S.A.

Inventors : STEPHEN AUGUSTINE DI BIASE & JOSEPH WILLIAM PIALET.

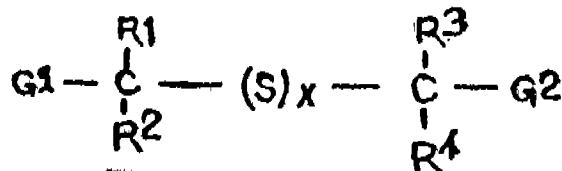
Application for Patent No. 713 DEL 87 filed on 17 Aug 1987.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A lubricant or functional fluid composition comprising at least one oil of lubricating viscosity and 0.01% to 30% by weight of

(A) a sulfur compound having the structural formula I of the drawing wherein



R₁, R₂, R₃ and R₄ are each independently H or hydrocarbyl groups, or at least one of R₁ and R₃ is G₁ or G₂, or at least one combination of R₁ and R₂, or R₃ and R₄, together forms an alkylene group containing 4 to 7 carbon atoms;

G₁ and G₂ are each independently C(X)R, C=N, R₅=C=NR₆, CON(r)₂ or NO₂, or G₁ is a CH₂OH group, or G₂ is COOR, wherein X is O or S, R₅ and each of R are independently H or a hydrocarbyl group, R₆ is H or a hydrocarbyl group; or

when both G₁ and G₂ are R₅C=NR₆, the two R₆ groups together form a hydrocarbylene group linking the two nitrogen atoms; or

when G₁ is CH₂OH and G₂ is COOR, a lactone is formed by intramolecular combination of G₁ and G₂; and

x is an integer from 1 to 8; provided that when both G₁ and G₂ are C(O)R groups and R₁ and R₃ are H or hydrocarbyl groups, at least one R is a hydrocarbyl group.

(Complete Specification 61 pages

Drawing Sheets 2)

Ind. Cl. : C07D 319/00

169546

Int. Cl.⁴ : C07C 102/02.

Title : AN IMPROVED PROCESS FOR THE PREPARATION OF CHLORAMPHENICOL 2, 2-DICHLORO-N-(2-HYDROXY- 1- (HYDROXYMETHYL)- 2- (4-NITROPHENYL) ETHYL ACETAMIDE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : BRAJA GOPAL HAZRA, VANDANA SUDHIR PORE, SHAILAJA PRAMOD MAYBHATE AND RAJAT BARAN MITRA.

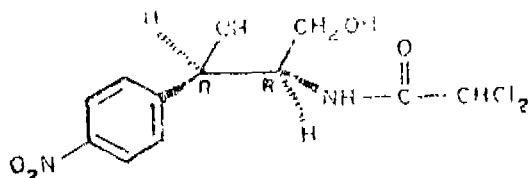
Application for Patent No. 991 DEL 87 filed on 18 NOV. 1987.

Complete Specification left on 10 FEB 1989.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

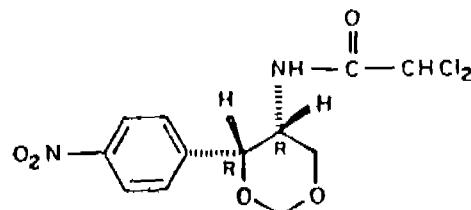
4 Claims

An improved process for the preparation of chloramphenicol 2, 2 dichloro-N-(2-hydroxy-1 (hydroxymethyl)-2-(4-nitrophenyl) ethyl acetamide of the formula 3 of the drawings



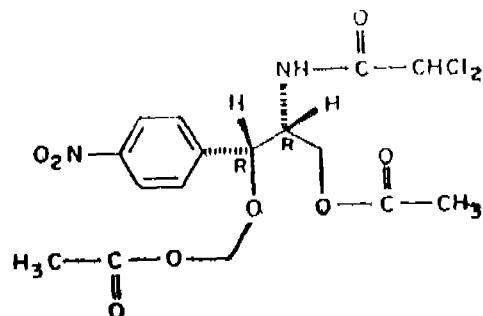
(3)

which comprises reacting 4-p-nitrophenyl-5-dichloroacetamido-1,3-dioxane of the formula (1) of the drawings



(1)

with acetic anhydride and p-toluenesulfonic acid to produce a hemiacetal diacetate, of formula 2 of the drawing



(2)

treating the hemiacetal diacetate so obtained with methanol and aqueous ammonia ammonia to get the compound of the formula (3).

(Provisional Specification 4 pages

Drawing Sheet 1)

(Complete Specification 8 pages).

Ind. Cl. : 140A2

169547

Int. Cl. : C10M 127/06.

Title : A PROCESS FOR THE PRODUCTION OF AN ADDITIVE CONCENTRATE SUITABLE FOR INCORPORATION INTO FINISHED LUBRICATING OIL COMPOSITION.

Applicant : BP CHEMICALS (ADDITIVES) LIMITED, A BRITISH COMPANY, BELGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SW1W OSU, ENGLAND.

Inventor :

CHARLES CAME,
JOHN CRAWFORD,
SEAN PATRICK O'CONNOR.

Application for patent No. 1018 DEL 87, Filed on Nov 30 1987. Convention date Nov 29, 1986/8628609/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims.

A process for the production of an additive concentrate suitable for incorporation into a finished lubricating oil composition which process comprises reacting with each other at elevated temperature (A) (i) sulfur and (ii) a hydrocarbyl phenol such as herein described (B) an alkaline earth metal base added in either a single addition or in a plurality of additions at intermediate points during the reaction, (C) a polyhydric alcohol having from 2 to 4 carbon atoms, a di- or tri- (C_2 to C_4) glycol, an alkylene glycol alkyl ether or a polyalkylene glycol alkyl ether, (D) a lubricating oil such as herein described, (E) carbon dioxide added subsequent to the, or each, addition of component (B) in an amount sufficient to provide (F) from greater than 2 to less than 40% by weight based on the weight of the concentrate of either (i) a carboxylic acid having the formula $R - CH - COOH$, an acid anhydride, acid chloride or ester thereof or (ii) a di or polycarboxylic acid containing from 36 to 100 carbon atoms or an acid anhydride, acid chloride or ester thereof and (G) an inorganic halide to produce a concentrate having a TBN greater than 300.

((Compl. Specn. Pages 28)

Ind. Cl. : 206 F. 169548.
Int. Cl. : H04J 1/00.

Title : FULL DUPLEX COMMUNICATION SYSTEM USING SINGLE OPERATING FREQUENCY.

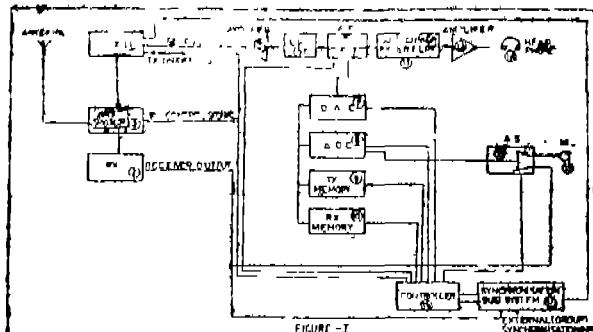
Applicant & Inventor : SUMAN KUMAR DEWAN, House No. 3411, Sector 23-D, Chandigarh.

Application for Patent No. 1060 DEL 87 filed on 10 Dec 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims.

A full duplex communication system using a single operating frequency capable of full duplex communication with another similar system on a single operating frequency, comprising in combination a radio transmitter (TX) and receiver (RX) alternately connected to an antenna through an electronic antenna switch, a transmitter memory (TXM) connected to the transmitter (TX) through a digital to analog converter (ADC) and second analog switch (AS), a microphone (MIC) connected to transmitter memory (TXM) through first analog switch and analog to digital converter (ADC), a receiver memory connected to receiver through analog to digital converter and first analog switch (AS), a head-phone (HF) connected to receiver memory through a digital to analog converter and second analog switch and subcarrier filter, a controller connected to the transmitter memory receiver memory, analog to digital converter, digital to analog converter, analog switches electronic antenna switch and synchronisation subsystem, wherein the full duplex communication on a single operating frequency is achieved by alternately switching on the receiver and transmitter, and the speech from microphone is continuously recorded bit when transmitter is on and off and speech is given to head phone continuously both when receiver is on and off.



(Compl. Specn. 11 Pages.

Drg. Sheets 2)

| | |
|-----------|--|
| Ind. Cl. | 32E. |
| Int. Cl. | B29D 7/01. 169549 |
| Title | A METHOD OF MANUFACTURING A POLYMERIC SHEETING. |
| Applicant | MORTON THIOKOL LIMITED
A CORPORATION OF THE UNITED KINGDOM OF STATION TOWER, STATION SQUARE, COVENTRY CV1 2GH ENGLAND. |
| Inventor | RAYMOND ROBINSON,
TIMOTHY CHARLES PHILLIP LEE,
PETER ENDRUSCHEIT,
LOTHAR HOCKENBERGER,
FRANZ-JOSEF BERGMANN,
KARL RUEHL,
ERNST SCHERP. |

Application for Patent no. 1096 DEL 87. Filed on DEC 17 1987.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

A method of manufacturing a polymeric sheeting, said method comprises :

- (1) mixing
 - (a) 1000 pbw of polysulfide oligomer or its polymer, said polysulfide polymer has a structure $HS-(C_2H_4-O-CH_2-O-C_2H_4-SS)_2-C_2H_4-O-CH_2-O-C_2H_4-SH_2$, with about 2% cross linking and an average molecular weight molecular weight of 4,000 pbw.
 - (b) 300 to 700 pbw. of carbon black
 - and
 - (c) mixing these diisocyanate hardener of the end such as herein described
 - and
 - (2) forming a sheet in a manner known per se from said mixture
 - and
 - (3) curing said sheet.

Complete Specification Pages 13.

Ind. Cl. : 201 D. 169550

Int. Cl. : B01D 13/04.

Title : A PROCESS FOR THE PREPARATION OF HIGH FLUX-HIGH SEPARATION THIN FILM COMPOSITE REVERSE OSMOSIS MEMBRANES FOR DESALINATION OF HIGHLY SALINE WATERS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Societies Act (Act XXI of 1860).

Inventors : RAMAMURTI RANGARAJAN, NAIVEDYA VIDYUTRAI DESAI & AYYANASOMAYAJULA VISWESWARA RAO.

Application for patent No. 1132 DEL 87 filed on 28 Dec. 1987.

Complete Specification left on 27 Mar. 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims.

A process for the preparation of high flux high separation thin film composite reverse osmosis membranes for desalination of highly saline waters which comprises mixing a polymer having a molecular weight of 34,000 to 38,000 daltons and an organic solvent such as herein described at a temperature in the range of 90-100°C, cooling the resultant solution and spreading it uniformly on a smooth, clean and dry glass surface to a thickness in the range of 0.15 to 0.25 mm., immersing the glass sheet with the spread solution in a gelation bath containing the same solvent used in the above said casting solution along with a surfactant such as herein described, followed by further gelling of the membrane in distilled water to produce microporous support membrane, laying the support membrane on an enamel tray and treating with an aqueous solution of polyethyleneimine (PEI) in the concentration range of 0.4 to 1.5% and then draining, subsequently the PEI layer being allowed to come in contact with a solution of toluene diisocyanate in the concentration range of 0.1 to 0.5% and excess solution being drained, and the composite being cured at a temperature in the 75-110°C for a period of 10-30 minutes.

(Provisional Specification 2 Pages).

(Compl. Specn. 17 Pages).

Drg. Sheets 3).

Class : 9F & 93.

169551.

Int. Class : C30B 23/00, 29/04, 25/00; H 01L 21/00.

A METHOD FOR PRODUCING AMORPHOUS HYDROGENATED CARBON.

Applicant : SIEMENS AKTIENGESELLSCHAFT OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : (1) SIEGFRIED BIRKLE, (2) JOHANN KAMMERMAIER, (3) ROLF SCHULTE, (4) ALBRECHT WINNACKER, (5) GERHARD RITTMAYER.

Application No. 579/Cal/1988 filed on July 11, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims.

A method for producing amorphous hydrogenated carbon by high frequency plasma deposition of gaseous hydrocarbons into a substrate, wherein the average dwell time of the hydrocarbons in the plasma is at least 15 ms, the dwell time being defined as the quotient of (a) the product of the plasma volume and the gas pressure and (b) the mass flow, wherin the power density in the plasma is from 0.2 to 10 W, CM⁻² and wherin the substrate is not heated.

(Compl. Specn. 11 Pages

Drg. 1 Sheet).

Class : 152 F, 155 A.

169552.

Int. Class : D01J 11/00; D06M 7/02.

A FIBER FINISH AND POLYAMIDE YARNS COMPRISING THE SAME.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventor : FLEMING HOWARD DAY.

Application No. 588/Cal/1988 filed on July 13, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims.

A fiber finish especially suitable for tire yarns comprising 50-95 wt.% of the finish being lubricants having a melting point not greater than about 120°C wherin at least 40 wt. % of the lubricant is ditridecyl sebacate, 5-50 wt. % of the finish being a total antistat and surfactant, 0-5 wt. % of the finish being a conventional antioxidant and 0-2 wt. % of the finish being a polysiloxane.

(Compl. Specn. 12 Pages.

Drgs. 1 Sheet.)

169553.

Int. Class : H04R, 23/00.

PRESSURE TRANSDUCER USING THICK FILM RESISTOR.

Applicant : INTERNATIONAL CONTROL AUTOMATION FINANCE S.A. OF VILLIE DE LUXEMBOURG, 16 RUE DES BAINS, LUXEMBOURG.

Inventors : (1) ENGENE SKURATOVSKY, (2) MICHAEL L STURDEVANT.

Application No. 590/Cal/1988 filed on July 13, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims.

A pressure transducer, comprising; a diaphragm having upper and lower surfaces; at least one thick film resistor on one of said diaphragm surfaces, said thick film resistor being elongated in a longitudinal direction; and

circuit means for measuring a change in the resistance of said thick film upon the application of pressure on an axis perpendicular to said longitudinal direction.

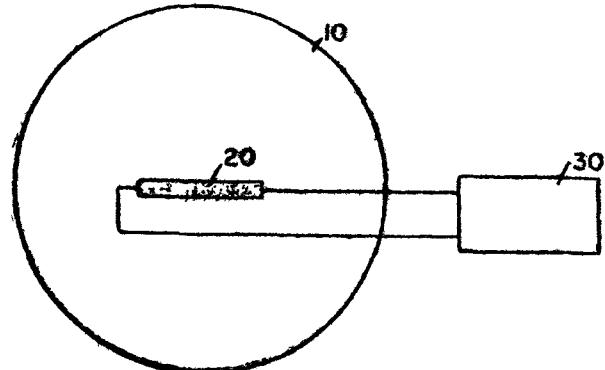


FIG. 5

(Compl. Specn. 16 Pages.

Drgs. 6 Sheets.)

169554.

Int. Class : A61F, 13/00, 13/02.

A WOUND CLOSURE TAPE.

Applicant : ETHICON, INC. OF U.S. ROUTE NO. 22, SOMERVILLE, NEW JERSEY 08876, UNITED STATES OF AMERICA.

Inventors : (1) ANTHONY CROWTHER LUNN, (2) FRANK VICTOR MATTEI.

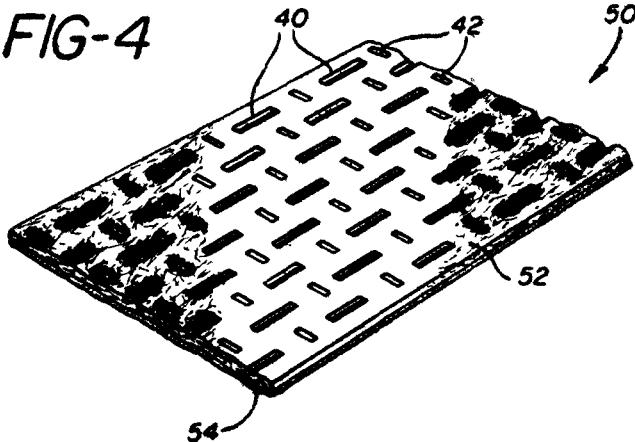
Application No. 599/Cal/1988 filed on July 18, 1988.

5 Claims.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

A wound closure tape comprising a nonwoven fabric having a pressure-sensitive adhesive uniformly disposed over one surface thereof, characterised in that the nonwoven fabric is a web of continuous filaments that are randomly disposed in the plane of the web, wherein the filaments are essentially free of bonding at the cross-over points, and wherein the fabric is embossed bonded in an intermittent pattern.

FIG-4



(Compl. Specn. 15 Pages.)

Drgs. 4 Sheets.)

Class : 92 C

169555

Int Class : B02B 3/00.

COMPOSITE MINI RICE MILL.

Applicants & Inventors : SMT. BHARATI CHAWDHURI AND SRI BANSARI MOHAN CHAWDHURI OF M/S SUPER ENGINEERING WORKS, HOWRAH AMTA ROAD, DASSNAGAR, HOWRAH-711105, WEST BENGAL, INDIA.

Application No. 601/Cal/1988 filed on July 19, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims.

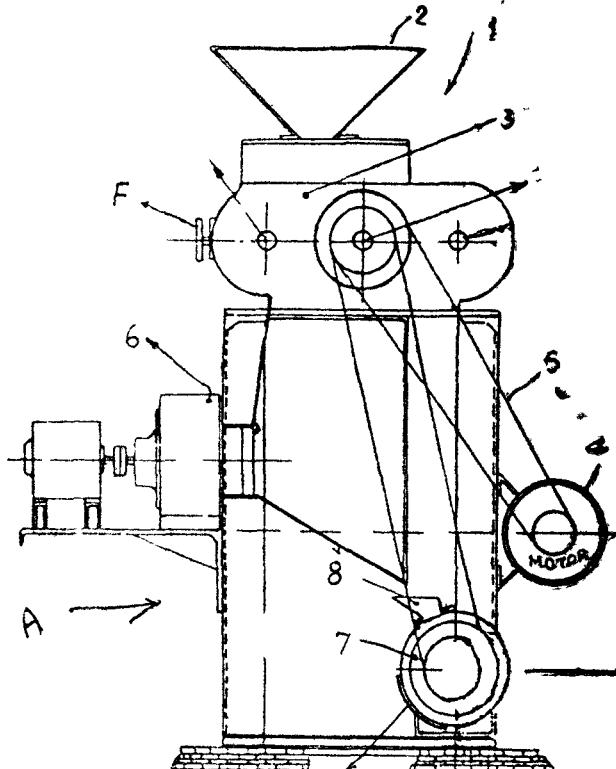
A composite mini rice mill comprising in combination a dehusking unit followed by a husk aspirating unit followed by a debranning and polishing unit.

(a) said dehusking unit having a set of contra-rotating rollers, at least one of which is an adjustable roller to enable adjustment of the nip between the rollers, each said roller having a soft surface layer, said dehusking unit also having a blower unit in the vicinity of the said rollers and a feed hopper above the nip of said rollers, the arrangement being such that, paddy fed from the hopper is drawn into the nip between the rollers and dehusked due to the soft pressure applied on same and the rice with separated husks fall freely into the husk aspirating unit;

(b) the husk aspirating unit is provided with spreaders to spread the material and is connected to the blower unit mentioned above the arrangement being such that, the removed husks are properly exposed and sucked by the blower from where these are blown out while the rice free of husk then freely enters the debranning and polishing unit;

(c) said debranning and polishing unit having a pair of cylindrical unit viz. (i) an outer stator unit and an (ii) inner rotor unit with an annular gap therebetween, said stator having (i) a feed port for the dehusked rice in-flow communication with the husk aspirating unit, one or more, preferably two rubber polishers, said rotor unit having (ii) a plurality of spacedly provided abrasive units partly protruding in said annular gap with breathing spaces arranged around the entire circumference of the rotor, the arrangement being such that

the dehusked rice entering the annular gap through the feed port is drawn into and passed around the annular gap while being subjected to the gentle action of the abrasive unit which remove the bran and debranned rice being polished by the polishing units, the said debranning and polishing unit having a bran separating screen and a polishing rice outlet.



(Compl. Specn. 21 Pages)

Drgs. 4 sheets)

Class : 103, 201 C & D

169556.

Int. Class : C 23 F 11/00.

METHOD OF TREATING AQUEOUS MEDIUM TO PROTECT FERROUS METAL PARTS EXPOSED TO THE AQUEOUS MEDIUM, FROM CORROSION AND/OR SCALE FORMATION.

Applicant : BETZ INTERNATIONAL, INC. OF SOMERTON ROAD, TREVOSE, PENNSYLVANIA 19047, UNITED STATES OF AMERICA.

Inventor : FU CHEN.

Application No. 603/Cal/1988 filed on July 19, 1988.

Convention date 2nd October, 1984 (46, 527) Canada.

Divisional No. 514/Cal/1985 dated on 12th July, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims.

A method of treating an aqueous medium to protect ferrous metal parts, exposed to the aqueous medium, from the corrosion of the ferrous metal parts in contact with the aqueous solution with little or no attendant deposition of scale on said ferrous parts, by providing for the formation of a protective, passive oxide film on the metal surface in contact with said aqueous medium, which method comprises adding to said aqueous medium (A) a water soluble polymer having repeat unit moieties (a) and (b) constituting monomers designated as x and y respectively in Formula I, shown in the accompanying drawings, wherein

R_1 is H or lower alkyl (C_1-C_3), R_2 is OH, OM or NH_2 , M is a water soluble cation, R_3 is a hydroxy substituted alkyl or alkylene radical having from 2 to about 6 carbon atoms or a non-substituted alkyl or alkylene radical having from 1 to

about 6 carbon atoms, X is an anionic radical, Z is H or hydrogen or a water soluble anion or cations which together countervail the valence of X, and n is 0 or 1, and (B) a water soluble inorganic orthophosphate compound, said polymer and the orthophosphate compound being sufficient; e.g. in the weight ratio of A : B = 1 : 8 to 4 : 1, to provide a substantially scale-free protective passive oxide film on the metallic surface.

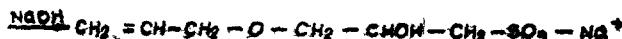
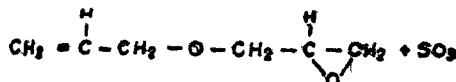


FIG. 1

Class : 69.

169557.

Int. Class : G01B, 7/00.

APPARATUS FOR DEVICE FOR MEASURING THICKNESS OF METAL COATING.

Applicant : FIZIKO-ENERGETICHESKY INSTITUT AKADEMII NAUK LATVIISKOI SSR OF RIGA, ULITSA AIZKRAUKLES, 21, USSR.

Inventor : VALERY VALENTINOVICH GAVRILIN.

Application No. 605/Cal/1988 filed on July 19, 1988.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Calcutta.

1 Claim

An apparatus for measuring thickness of a metal coating, comprising a generator, a put on eddy current transducer positioned at a distance of the working gap h from the metal coating being measured and having an excitation winding, an indicator, and a unit for processing signal of the put on eddy current transducer having an input connected to an output of the put on eddy current transducer characterized in that said transducer has a first, second and third measurement windings positioned in an axial relationship to one another, the excitation winding being connected to an output of the generator, the first and second measurement windings being in series-opposing connection with each other and the third and second measurement windings being in series-accordant connection with each other, a resistive-capacitance voltage divider in the form of a four-arm bridge having a resistor and a capacitor in one pair of opposite arms thereof and a resistor and a varicap in the other pair of opposite arms thereof, the free lead of the varicap being connected to a zero potential bus, a junction point of the resistors in the adjacent resistive arms of the resistive-capacitance voltage divider being connected, via a capacitor, to a junction point of the varicap and capacitor in the adjacent capacitance arms of the bridge which is connected, via a coupling capacitor, to a junction point of the measurement windings, and a junction point of the resistive and capacitance arms of the resistive-capacitance voltage divider being connected to the output of the put on eddy current transducer, a unit for converting small deviations of the output signal into d-c voltage having an input connected to the output of the unit for processing signal of the put on eddy current transducer and an output connected to a junction point of the varicap and capacitor of the adjacent capacitance arms of the resistive-capacitance voltage divider, the second and third measurement windings being positioned on the one side with respect to the excitation winding, which is of a diameter d, and being spaced therefrom at a distance from 0.4 to 0.6 d and from 0.8 to 1.2 d, respectively, and the total number of turns of the second and third measurement windings being more than twice as great as the number of turns of the first measurement winding which is positioned on top of the excitation winding.

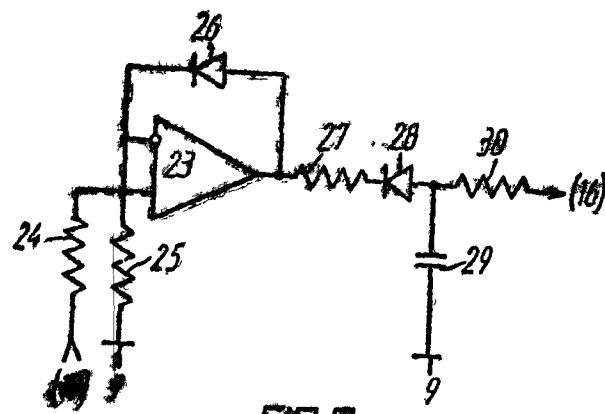


FIG. 2

Compl. Specn. 13 Pages.

Drugs. 1 Sheet

Class : 32 F₁ + 55 D₂

169558

Int. Class : C02C 13/00, 103/78 + A01N 37/22.

PROCESS FOR PRODUCING A BENZAMIDE DERIVATIVE.

Applicant : HODOGAYA CHEMICAL CO. LTD. OF 4-2, TORANOMON 1-CHOME, MINATO-KU, TOKYO, JAPAN.

Inventors : (1) TAKEO MOTEGI; (2) MITSUMASA YAMAZAKI; (3) HIROYUKI IGUCHI; (4) KAORU KASAHARA.

Application No. 610/Cal/1988 filed on July 21, 1988.

Appropriate office for opposition proceedings (Rule No. 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A process for producing a benzamide derivative of the formula i of the accompanying drawings wherein R is hydroxyl, alkoxy, alkoxyalkoxy, alkoxyalkoxyalkoxy, alkenylalkoxy, alkynylalkoxy, alkynylalkoxy, alkynylalkoxyalkoxy, monoalkylamino, dialkylamino or O-cat wherein cat is an inorganic or organic cation, which comprises reacting 4-hydroxy-N-(2,3-dichlorophenyl)-benzamide in an organic solvent e.g. acetone, toluene, dioxane and N,N-dimethylformamide at a temperature of from 2 degree centigrade to 16 degree centigrade with a compound of the formula XCH₂COR wherein R is as defined above and X is a halogen atom.

Compl. Specn. 45 Pages.

Drugs. 4 Sheets

Class : 157 D₁

169559

Int. Class : E01D, 19/12.

A TRACK TAMPING MACHINE.

Applicant : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIESEGBELLSCHAFT M.B.H., OF A-1010 WIEN, JOHANNESQASSE 3, AUSTRIA.

Inventor : ING JOSEF THEURER.

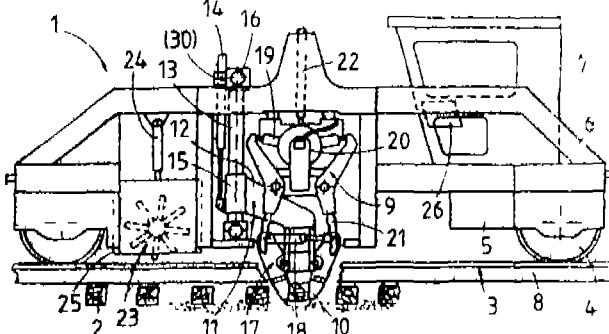
Application No. 616/Cal/1988 filed on July 22, 1988.

Appropriate office for opposition proceedings (Rule No. 4, Patents Rules, 1972), Patent Office, Calcutta.

20 Claims

A travelling on track machine for tamping the ballast beneath the sleepers of a railway track comprising a machine frame supported by undercarriages spaced apart from one another with at least one tamping unit comprising tamping tools designed to penetrate into the ballast which are mounted on a tamping carrier designed for vertical displacement under the power of a drive and which are designed for movement relative

uve to one another in pairs and for vibration under the power of squeezing and vibration drives, characterized in that the machine comprises a sleeper positioning unit (11, 50, 118, 164, 191) for gripping and transversely shifting sleepers associated with the tamping unit (9, 43, 61, 91, 115, 162, 189) for settling of track and designed for vertical displacement by a drive (14, 52, 117, 193) for gripping and transversely shifting or positioning a sleeper (2, 36, 105, 156, 182) and/or a ballast clearing unit (23, 73, 94) designed for vertical displacement by a drive (24, 74, 96) for stripping the ballast from the sleepers and for feeding ballast to the tamping zones.

Fig 1

Compl. Specn. 46 Pages.

Drgs. 4 Sheets

Class : 32-E.

169560

Int. Class : C08F 120/06, C08F 299/02, C08F 2/00.

PROCESS FOR CONTINUOUSLY PREPARING ACRYLIC POLYMER GEL.

Applicant : DAI-ICHI KOGYO SEIYAKU CO. LTD. OF 55, NISHISHICHIJO HIGASHIKUBO-CHO, SHIMOGYO-KU, KYOTO-SHI, KYOTO FU, JAPAN.

Inventors : (1) AKIRA YADA; (2) SHUSAKU MATSUMOTO.

Application No. 622/Cal/1988 filed on July 27, 1988.

Appropriate office for opposition proceedings (Rule No. 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A process for continuously preparing an acrylic polymer gel using a photopolymerization apparatus including a movable support and a gas tight chamber having a light permeable upper part which comprises :

(a) decreasing the dissolved oxygen by known methods in a monomer solution of at least one acrylic monomer containing a photopolymerization initiator in an amount of 0.001 to 5% by weight, to at most 1 mg/liter,

(b) maintaining the concentration of oxygen in the gas phase inside a gas tight chamber arranged over a moving support at not more than 1% by volume,

(c) continuously feeding a synthetic resin film onto the moving support from one end of the moving support,

(d) continuously feeding the monomer solution in the form of a thin layer 3 to 20 mm onto the resin film on the moving support,

(e) irradiating the layer of the monomer solution with a light energy to initiate the polymerization and to cause the monomer solution to become substantially nonflowable,

(f) continuously feeding a synthetic resin film and bringing the resin film into contact with the upper surface of the layer of the monomer solution when the monomer solution has become substantially nonflowable,

(g) continuing the polymerization by the irradiation of light energy to produce a polymer in the form of gel, and

(h) continuously peeling off the resin films on the both sides of the produced sheet-like polymer at the other end of the moving support and continuously taking out the sheet-like polymer from the moving support.

Compl. Specn. 32 Pages.

Drags. 2 Sheets

Ind. Class—69-K.N.O.—[GROUP—LIX(1)]

169561

Int. Cl. : H 01 H 9/30.

A PUFFER TYPE ELECTRICAL CIRCUIT BREAKER

Applicant : MERLIN GERIN, A FRENCH COMPANY, OF RUE HENRI TARZE 38050, GRENOBLE CEDEX, FRANCE.

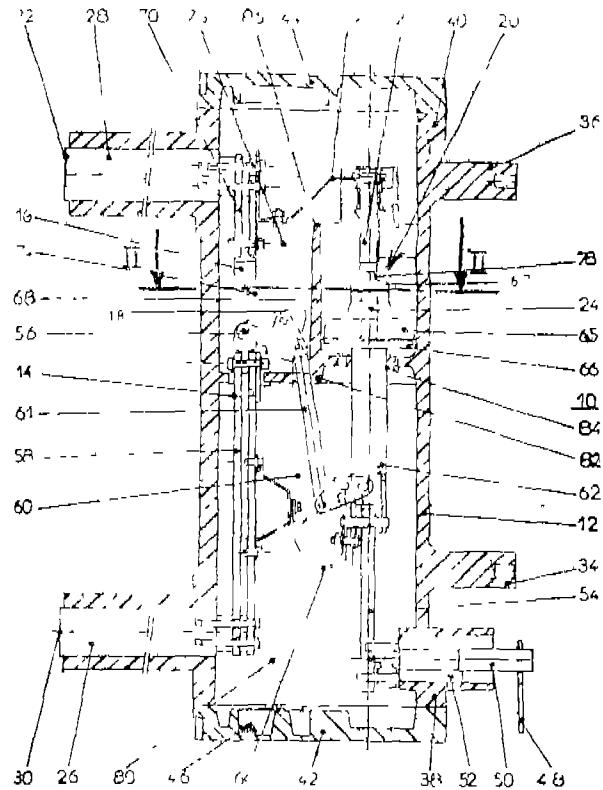
Inventors : (1) SOBOUL RAYMOND, (2) MENOU GERARD.

Application No. 223/MAS/87 filed March 27, 1987.

Appropriate office for opposition proceedings (Rule No. 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A puffer type electrical circuit breaker having a sealed casing made of moulded insulating material, filled with an insulating gas with high dielectric strength, notably sulphur hexafluoride, comprising :



is interposed between the breaking gap and the disconnection area and a punter device having an insulating gas compression piston cylinder assembly, and a punter nozzle coaxially surrounding the breaking gap to ensure blow-out of the arc when the auxiliary circuit opens, the cylinder or the punter device being constituted by said insulating shield, a fixed intermediate wall subdividing the casing into a first compartment and a second adjacent compartment, said piston cylinder assembly being located in said first compartment.

(Com.—11 pages;

Drwgs.—2 sheets)

Ind. Class : 54 & 185-C [GROUPS—XIV(3) & XVIII] 169562
Int. Cl.⁴ : A 47 G 19/16

METHOD OF AND APPARATUS FOR MANUFACTURING AN INFUSIBLE BAG WITH A COVER.

Applicant & Inventor : HIGH PATRICK CHRISTIE, OF 50 BEVINGTON ROAD, GLENUNGA, STATE OF SOUTH AUSTRALIA, COMMONWEALTH OF AUSTRALIA : A CITIZEN OF AUSTRALIA.

Application No. 358/MAS/87 filed May 15, 1987.

Convention date : May 15, 1986; (No. PH 5919; Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A method of manufacturing an infusible bag with a cover comprising the steps of providing a cover strip, feeding an infusible bag onto the cover strip, attaching a flange of the bag along an edge to the cover strip adjacent the centre of the cover strip while contacting said flange with said cover strip, and folding the cover strip to cover both sides of the bag.

(Com.—11 pages;

Drwgs.—2 sheets)

Ind. Class : 205-F—[GROUP—LVI] 169563
Int. Cl.⁴ : B 29 C 67/14; D 02 G 3/48

A PROCESS FOR PRODUCING REINFORCED TIRE AND A MACHINE THEREOF.

Applicant : MICHELIN & CIE (COMPAGNIE GENERALE DES ESTABLISSEMENTS MICHELIN), 67650 CLERMONT-FERRAND CEDEX, FRANCE, A FRENCH COMPANY.

Inventors : (1) CLAUDE DEBROCHE, (2) DANIEL LAURENT.

Application No. 374/Mas/87 filed May 20, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A process for producing reinforced tire, the improvement comprising the steps of cutting reinforcement cords to desired length, projecting the said cut reinforcement cords individually to place them substantially parallel and adjacent to each other on the outer surface of an element defining the geometry of the reinforced tire, the reinforcement cord and the element having self-adhering property.

(Com.—19 pages;

Drwgs.—7 sheets)

Ind. Class : 32-F₈(c)—[GROUP—IX(1)] 169564

Int. Cl.⁴ : C 07 B 35/02; C 07 C 29/132.**A CONTINUOUS PROCESS FOR LIQUID PHASE HYDROGENATION OF AN UNSATURATED ORGANIC COMPOUND INTO CORRESPONDING HYDROGENATED PRODUCT.**

Applicant : DAVY MCKEE (LONDON) LIMITED, A BRITISH COMPANY OF 250 EUSTON ROAD, LONDON NW1, 2PG, ENGLAND.

Inventors : (1) GEORGE EDWIN HARRISON, (2) ANDREW GEORGE HILES.

Application No. 379/MAS/87 filed May 22, 1987.

Convention date : June 3, 1986; (No. 8613354; (United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A continuous process for liquid phase hydrogenation of an unsaturated organic compound, such as herein described, into corresponding hydrogenated product comprising the steps of : feeding continuously into an upper part of a first hydrogenation zone containing a known solid heterogeneous hydrogenation catalyst maintained at a temperature of 40 to 350°C and pressure of 1 to 300 bar (i) a gas mixture containing hydrogen and inert gas(es) (ii) a liquid phase containing the said unsaturated organic compound dissolved in a compatible inert diluent; separating from the lower part of the reaction zone a liquid reaction product and a gaseous effluent, feeding the said reaction product in liquid form to the upper part of a second hydrogenation zone containing a known solid heterogeneous hydrogenation catalyst at a temperature of 40 to 350°C and pressure of 1 to 300 bar, feeding the gas mixture containing hydrogen and an inert gas from the lower part of the said second reaction zone, collecting the hydrogenated product from the bottom of the second hydrogenation zone.

(Com.—25 pages;

Drwgs.—2 sheets)

Ind. Class : 140-A₂—[Group-KI(2)]

169565

Int. Cl.⁴ : C 10 M 133/00.**A PROCESS FOR PREPARING A POLYFLUORINATED COMPOUND**

Applicant : ATOCHEM, A FRENCH BODYCORPORATE, OF LA DEFENCE 10, 4 & 8, COURS MICHELET, 92800 PUTEAUX, FRANCE.

Inventors : (1) DOMINIQUE BASSET
(2) PIERRE DURUAL
(3) JEAN CLAUDE FAYARD
(4) LAURENT GERMANAUD
(5) MARC HERMANT

Application No. 398/Mas/87 filed May 28, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A process for preparing a polyfluorinated compound of formula I-A of the accompanying drawing, in which :

Rf is a perfluorinated group ;

a is an integer from 0 to 10 ;

b is 0 or 1, but can be 1 only if, simultaneously, a is and c is 1 ;

c is an integer from 1 to 4, but is 2 when a is other than 0; n is 0 or 1 ;

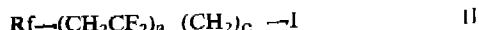
Y is a 2-hydroxy-1-phenylethyl group ;

R₁ and R₂ are identical or different and are each hydrogen, an alkyl group containing from 1 to 20 carbon atoms, a cycloalkyl group containing 5 or 6 carbon atoms or an un-substituted or substituted aryl group ;

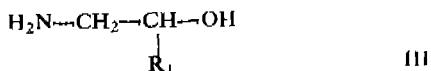
and

R₂ and R'₂ which are identical or different, are each hydrogen or an acyl residue of an aliphatic, alicyclic or aromatic carboxylic acid ;

at least one R₁ and R₂ being other than hydrogen or a methyl group if a and n are 0 comprises reacting in line derivative of formula:



with an amino alcohol of formula

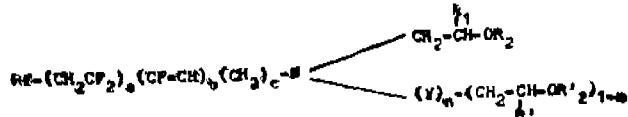


to form a compound of formula



—IV in which Rf, a, b, c, and R₁ are as defined above, followed by reacting the compound of formula (IV) with

an epoxide and, if required, esterifying the fluorinated di-I or amino alcohol thereby obtained.



FORMULA IA ✓

(Comp —41 p ge, Drwg 1 Sheet)

Ind. Class 14-A2—[GROUP—LVIII(1)] 169566
Int Cl⁴ H 01 M 4/24

A METHOD OF MAKING AN ELECTROCHEMICAL CELL

Applicant LILLIWYTE SOCIETE ANONYME, OF 2 RUE DES GIRONDINS, LUXEMBOURG, A LUXEMBOURG COMPANY

Inventors (1) JOHAN COETZER
(2) ROGER JOHN WEDLAKE

Application No 417/MAS/87 filed June 5, 1987

Convention date June 6, 1986, (No 8613800, Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Madras Branch

15 Claims

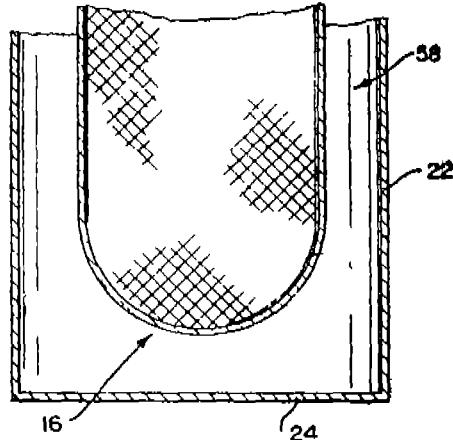
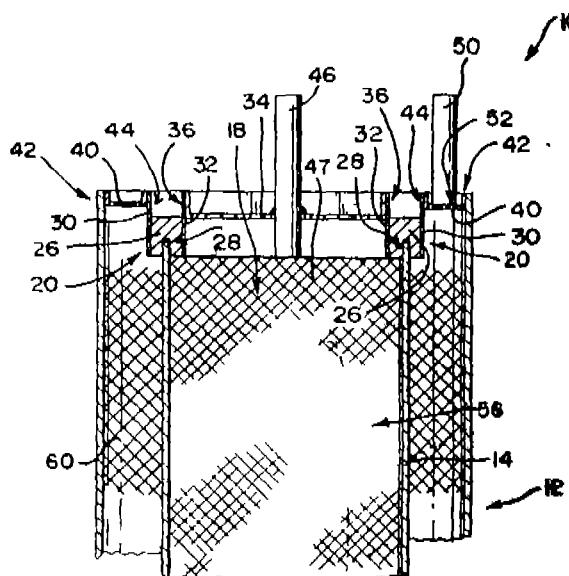
A method of making an electrochemical cell of the type comprising an anode compartment containing at the operating temperature of the cell and when the cell is in its discharged state a molten alkali metal anode and a cathode compartment containing, at said operating temperature and in said discharged state, an alkali metal aluminium halide molten salt electrolyte a cathode which comprises an electronically conductive electrolyte-permeable matrix which has dispersed therein an active cathode substance which has a transition metal T selected from the group comprising Fe, Ni, Co, Cr Mn and mixtures thereof, and separating the anode compartment from the cathode compartment, a separator which comprises a solid conductor of the ions of the alkali metal of the anode or a micromolecular sieve which contains said alkali metal sorbed therein characterized in that the said method comprises the steps of loading into the cathode compartment

an alkali metal aluminium halide molten salt electrolyte having the formula MA-Hal wherein M is the alkali metal the separator and Hal is a halide,

an alkali metal halide MHal wherein M and Hal are respectively the same alkali metal and halide as in the molten salt electrolyte, aluminium, and

an active cathode substance which has a transition metal T selected from the group comprising Fe, Ni, Co, Cr, Mn and mixtures thereof;

thereby to form an electrochemical cell precursor, charging said precursor in the molten state of electrolyte and alkali metal M, to thereby react all the aluminium with the alkali metal halide MHal to produce further said molten salt electrolyte and to form said alkali metal M, the alkali metal M passing through the separator into the anode compartment to provide a cell in a discharged state, halogenating the active cathode substance to produce further alkali metal M which passes through the separator into the anode compartment, the proportions of alkali metal halide MHal, molten salt electrolyte and aluminium loaded into the cathode compartment is selected so that in the fully charged stage all the available active cathode substance of the cell is halogenated, the molar proportion of alkali metal ions and aluminium ions in the electrolyte is preferably not less than one to obtain a minimum solubility of the active cathode substance in the molten electrolyte



(Com - 20 pages, Drwg 1 Sheet)

Ind. Class 186A [Group—I XI(1)] 169567
Int Cl⁴ H 01 P 7/10

A FILTER

Applicant MOTOROLA INC., A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 1303, EAST ALCONQUIN ROAD, SCHHAUMBURG ILLINOIS 60196 UNITED STATES OF AMERICA

Inventors (1) MOUTRIL MICHAEL F
(2) RAYMOND L SOKOLA
(3) PHILLIP J GORGON
(4) STEVEN R GREEN
(5) DAVID M DEMURO

Application No. 297/MAS/89 filed April 20, 1989.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules, 1972), Patent Office, Madras Branch.

2 Claims (No drawing)

A process for preparing dehydrated precooked cereal flakes comprising the steps of grinding the wheat grains into flour, heating the flour thus obtained at a temperature of 130°C for 60 seconds and drying to a moisture content of 3.4–3.8% to form flakes, mixing the flakes with 5 to 5000mg of vanillin per gram of flake.

(Comp. specn. 11 Pages.)

REGISTRATION OF DESIGNS.

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of the registration of the design included in the entry.

Class 1. Nos. 163176 & 163177. The Gillette Company, a corporation organised under the laws of the State of Delaware, United States of America, of Prudential Tower Building, Boston, State of Massachusetts, United States of America. "Razor Cartridge". 26th April, 1991.

Class 4. No. 163181. Bond Street Perfumes and Cosmetics Company incorporated under the Companies Act, having office at 45–47, Veer Nariman Road, Bombay-400023, in the State of Maharashtra, within the Union of India "Ceiling Fan" 5th July, 1991.

Class 1. No. 163178. The Gillette Company, a corporation organised under the laws of the State of Delaware, United States of America, of Prudential Tower Building, Boston, State of Massachusetts, United States of America, "Razor cartridge" 26th April, 1991.

Class 1. No. 163179. The Gillette Company, a corporation organised under the laws of the State of Delaware, United States of America, of Prudential Tower Building, Boston, State of Massachusetts, United States of America, "Razor Handle" 26th April, 1991.

Class 3. No. 163180. Bond Street Perfumes and cosmetics Private Limited, a Company registered under the Indian Companies Act, 1957 and having its registered office at 32, Hassa Mahal, Dalmal Park, Cuffe Parade, Colaba, Bombay-400005, State of Maharashtra, India. "Bottle". 29th April, 1991.

Class 3. No. 163387. Eagle Flas Industries Limited, an Indian Company incorporated under the Companies Act, having its office at Eagle Estate Telegao-410507, Dist. Aurangabad, in the State of Maharashtra, within the Union of India. "Water Bottle". 5th July, 1991.

Class 3. No. 163390. The Supreme Industries Limited, a Public Limited Company with address at 17/18 Shah Industrial Estate, Veera Desai Road, Andheri (West), Bombay-400058, Maharashtra, India. "Moulded Chair". 9th July, 1991.

Class 4. No. 163116. Hindustan Lever Limited, of Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-400020, Maharashtra, India, a company incorporated under the Indian Companies Act, 1913. "Bottle with cap". 8th April, 1991.

Class 4. No. 163181. Bond Street Perfumes and Cosmetics Private Limited, a Company registered under the Indian Companies Act, 1957 and having its registered office at 32, Hassa Mahal, Dalmal Park, Cuffe Parade, Colaba, Bombay 400005, State of Maharashtra, India. "Bottle" 29th April, 1991.

Class 5. No. 163550. Jai Bhart Products a Sole Proprietary Concern, of Sham Wadi, Ranade Road, Opp. D' Silva School Ground, Dadar (Wcst), Bombay-400028, in the State of Maharashtra, India. "Container". 26th August, 1991.

Class 10. Nos 163499 & 163500. Alert India, a Partnership firm of address A/137/6, Group Industrial Area, Wazirpur, Delhi-110052 (India), "Sole of Footwear". 6th August, 1991.

Class 12. Nos. 163099 to 163102. Riche Rich Products, A-18, Ram House Middle Circule, Connaught Place, New Delhi-110001, India and Indian sole Proprietorship concern. "Toy Wall clock made of fun and fabrics". 1st April, 1991.

Extention of Copyright.

Nil.

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एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1991

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